

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A suction muffler connector in a compressor having a suction pipe for guiding refrigerant into the compressor, and a suction muffler for attenuating noise of the refrigerant in the suction pipe, comprising:

a connection spring having one side connected to the suction pipe for guiding the refrigerant to the suction muffler; and

a connection pipe fitted to surround the connection spring for preventing exposure of an outside circumference of the connection spring, wherein the connection pipe comprises:

a first cylindrical section having a first diameter and having a top part held at an inlet to the suction muffler, and

a second cylindrical section having a second diameter that is larger than the first diameter, wherein an outer surface of the connection spring abuts inner surfaces of the first and second cylindrical sections, and wherein the connection spring includes an enlarged part having an outside diameter greater than an inside diameter of the second cylindrical section of the connection pipe, and

a holding part having a cylindrical annular recess for holding the enlarged part of the connection spring, wherein the outer surface of the enlarged part of the connection spring abuts an inner surface of the cylindrical annular recess.

2-3. (Canceled)

4. (Original) The suction muffler connector as claimed in claim 1, wherein the connection pipe is formed of an elastic material.

5. (Currently Amended) The suction muffler connector as claimed in claim 1, further comprising a connection cap between the connection pipe and a suction muffler inlet, for connecting the connection pipe to the suction muffler, wherein an outer surface of the first cylindrical section of the connection pipe abuts an inner cylindrical surface of the connection cap.

6. (Previously Presented) The suction muffler connector as claimed in claim 5, wherein the connection cap has an upper outside circumferential surface that is held by the inlet to the suction muffler.

7. (Previously Presented) The suction muffler connector as claimed in claim 5, wherein the connection cap includes a hook for hooking an inlet to the suction muffler.

8. Canceled.

9. Canceled.

10. (Original) The suction muffler connector as claimed in claim 5, wherein the connection cap is formed of an elastic material.

11. (Original) The suction muffler connector as claimed in claim 1, wherein the connection spring has an inside diameter of an upper part thereof of a suction muffler side smaller than an inside diameter of a lower part thereof.

12. (Previously Presented) The suction muffler connector as claimed in claim 1, wherein the connection spring has a sectional area for flow of refrigerant that becomes smaller as it goes upward to a suction muffler side.

13. (Previously Presented) The suction muffler connector as claimed in claim 1, wherein the connection spring has an upper part that extends beyond an upper end of the connection pipe and into an inside of the suction muffler.

14. (Currently Amended) A compressor comprising:

a compression part for drawing in low pressure refrigerant, compressing the refrigerant, and discharging the refrigerant;

a suction muffler for attenuating noise of the refrigerant introduced thereto, and discharging the refrigerant toward the compression part;

a suction pipe for guiding refrigerant from an outside of the compressor to the suction muffler; and

a suction muffler connector for connecting the suction muffler and the suction pipe, wherein the suction muffler connector comprises:

a connection spring having one side connected to the suction pipe for guiding the refrigerant to the suction muffler, and

a connection pipe fitted to surround the connection spring for preventing exposure of an outside circumference of the connection spring, wherein the connection pipe comprises:

a first cylindrical section having a first diameter and having a top part held at an inlet to the suction muffler, and

a second cylindrical section having a second diameter that is larger than the first diameter, wherein an outer surface of the connection spring abuts inner surfaces of the first and second cylindrical sections, and wherein the connection spring includes an enlarged part having an outside diameter greater than an inside diameter of the second cylindrical section of the connection pipe, and

a holding part having a cylindrical annular recess for holding the enlarged part of the connection spring, wherein the outer surface of the enlarged part of the connection spring abuts an inner surface of the cylindrical annular recess.

15-16. (Canceled)

17. (Currently Amended) The compressor as claimed in claim 14, further comprising a connection cap between the connection pipe and a suction muffler inlet, for connecting the connection pipe to the suction muffler, and wherein an outer surface of the first cylindrical section of the connection pipe abuts an inner cylindrical surface of the connection cap.

18. (Previously Presented) The compressor as claimed in claim 17, wherein the connection cap has an upper outside circumferential surface that is held by the inlet to the suction muffler.

19. (Previously Presented) The compressor as claimed in claim 17, wherein the connection cap includes a hook for hooking an inlet to the suction muffler.

20. (Original) The compressor as claimed in claim 14, wherein the connection spring has an inside diameter of an upper part thereof of a suction muffler side smaller than an inside diameter of a lower part thereof.

21. (Previously Presented) The suction muffler connector as claimed in claim 1, wherein the enlarged part of the connection spring extends below a lower edge of the connection pipe.

22. (Previously Presented) The suction muffler connector as claimed in claim 3, wherein the annular recess has a diameter that is larger than a diameter of the remaining portions of the connection pipe.

23. (Previously Presented) The compressor as claimed in claim 14, wherein the enlarged part of the connection spring extends below a lower edge of the connection pipe.

24. (Currently Amended) The compressor connector as claimed in claim 14 16, wherein the annular recess has a diameter that is larger than a diameter of the remaining portions of the connection pipe.

25. (Previously Presented) The compressor as claimed in claim 14, wherein an upper part of the connection spring extends above an upper end of the connection pipe and into the suction muffler.